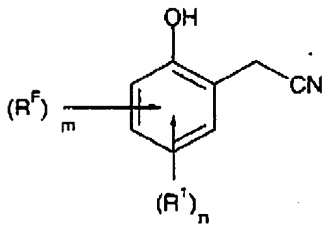
CLAIM STATUS

1. (Original) Process for preparing compounds of the formula (I)



(I)

where

R^1 is in each case independently C_1-C_{12}-alkyl, free or protected formyl, chlorine or bromine or a radical of the formulae (IIa) or (IIb)

A-B-D-E (IIa)

A-E (IIb)

where, each independently,

A is absent or is a C_1-C_8-alkylene radical and

B is absent or is oxygen, sulphur or NR^2

where R^2 is hydrogen or C_1-C_8-alkyl and

D is a carbonyl group and

E is C_1-C_8-alkyl, C_1-C_8-alkoxy, $NH(C_1$-C_8-alkyl) or $N(C_1$-C_8-alkyl)$_2$ or is a cyclic amino radical having 4 to 12 carbon atoms and

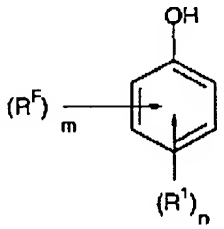
n is an integer of 0 to 4-m and

R^F is fluorine, C_1-C_{12}-fluoroalkyl, -O(C_1-C_{12}-fluoroalkyl) or -S(C_1-C_{12}-fluoroalkyl) and

m is an integer of 1 to 3,

comprising

a) converting compounds of the formula (II)



(II)

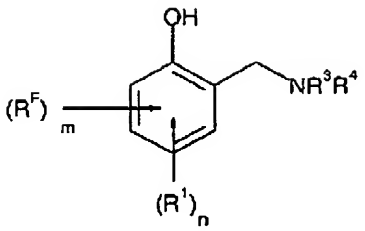
where R^1 and R^F, and also n and m, are as defined

in the presence of formaldehyde and
in the presence of secondary amines of the formula (III)

$$HNR^3R^4 \quad (III)$$

where R^3 and R^4 are each independently C_1-C_8-alkyl, or NR^3R^4 as a whole is a cyclic amino radical having a total of 4 to 12 carbon atoms

to compounds of the formula (IV)



(IV)

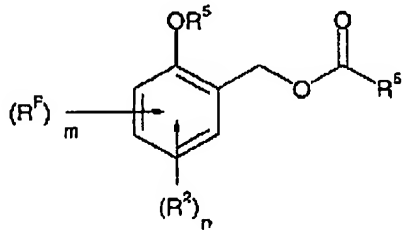
where R^1, R^3, R^4 and R^F, m and n, are as defined above, and

b) reacting the compounds of the formula (IV) with compounds of the formula (V)

$R^5CO\text{-}O\text{-}OCR^5$ (V)

where the R^5 radicals are each independently hydrogen, C_1-C_{12}-alkyl, C_2-C_{12}-alkenyl, C_5-C_{14}-aryl or C_6-C_{15}-arylalkyl

to convert them to compounds of the formula (VI)



(VI)

where R^1, R^F, m and n are each as defined under formula (I) and

the R^5 radicals are each independently hydrogen, C_1-C_{12}-alkyl, C_2-C_{12}-alkenyl, C_5-C_{14}-aryl or C_6-C_{15}-arylalkyl, and

c) reacting the compounds of the formula (VI) with cyanide.

2. (Original) Process according to Claim 1, characterized in that R^1 is in each case independently C_1-C_4-alkyl, free or protected formyl, or chlorine.

3. (Original) Process according to Claim 1, characterized in that n is 0 or 1.

4. (Original) Process according to Claim 1, characterized in that R^F is fluorine, C_1-C_4-fluoroalkyl, -O(C_1-C_4-fluoroalkyl) or -S(C_1-C_4-fluoroalkyl).

5. (Original) Process according to Claim 1, characterized in that R^3 and R^4 are each an identical C_1-C_8-alkyl radical.

6. (Original) Process according to Claim 1, characterized in that R^5 is in each case identically hydrogen, C_1-C_{12}-alkyl, C_2-C_{12}-alkenyl, C_5-C_{14}-aryl or C_6-C_{15}-arylalkyl.

7. (Original) Process according to Claim 1, characterized in that the molar ratio of formaldehyde to compounds of the formula (II) in step a) is 0.8 to 10.

8. (Original) Process according to Claim 1, characterized in that the molar ratio of secondary amines of the formula (III) to compounds of the formula (II) in step a) is 0.8 to 10.

9. (Original) Process according to Claim 1, characterized in that the molar ratio of compounds of the formula (V) to compounds of the formula (IV) in step a) is 1.5 to 10.

10. (Original) Process according to Claim 1, characterized in that alkali metal cyanides are used in step c).

11. (Original) Process according to Claim 1, characterized in that, in a further step d), the compounds of the formula (I) are reacted with compounds of the formulae (VIIa) or (VIIb)

$R^5CO\text{-}X$ (VIIa)

$R^6\text{-}Y$ (VIIb)

where, in formula (VIIa),

R^5 is hydrogen, C_1-C_{12}-alkyl, C_2-C_{12}-alkenyl, C_5-C_{14}-aryl, C_6-C_{15}-arylalkyl, $O(C_1\text{-}C_{12}\text{-alkyl})$, $O(C_5\text{-}C_{14}\text{-aryl})$, $O(C_6\text{-}C_{15}\text{-arylalkyl})$, $O(C_2\text{-}C_{12}\text{-alkenyl})$, $NH(C_1\text{-}C_{12}\text{-alkyl})$, $NH(C_5\text{-}C_{14}\text{-aryl})$, $NH(C_6\text{-}C_{15}\text{-arylalkyl})$, $N(C_1\text{-}C_{12}\text{-alkyl})_2$, $N(C_5\text{-}C_{14}\text{-aryl})_2$ or $N(C_6\text{-}C_{15}\text{-arylalkyl})_2$, , and

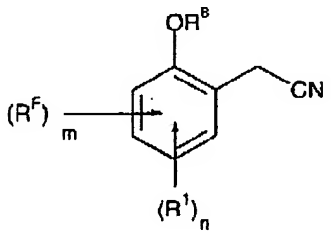
X is $OCOR^5$, fluorine, chlorine, bromine or iodine, and

where, in formula (VIIb),

R^6 is C_1-C_{12}-alkyl, C_5-C_{14}-aryl or C_6-C_{15}-arylalkyl and

Y is O_3SR^7, chlorine, bromine or iodine where R^7 is C_1-C_{12}-alkyl, C_5-C_{14}-aryl or C_1-C_{12}-fluoroalkyl,

to give compounds of the formula (VIII)

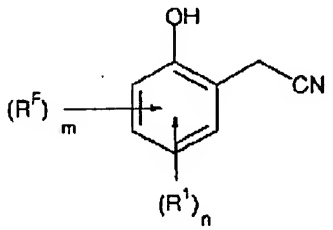


(VIII)

where

R^8 is R^5CO or R^6 as defined above, and R^1, R^F, m and n are each as defined under formula (I).

12. (Original) Process of Claim 1 for preparing compounds of the formula (I)



(I)

where

R^1 is in each case independently C_1-C_{12}-alkyl, free or protected formyl, chlorine or bromine or a radical of the formulae (IIa) or (IIb)

A-B-D-E (IIa)

A-E (IIb)

where, each independently,

A is absent or is a C_1-C_8-alkylene radical and

B is absent or is oxygen, sulphur or NR^2

where R^2 is hydrogen or C_1-C_8-alkyl and

D is a carbonyl group and

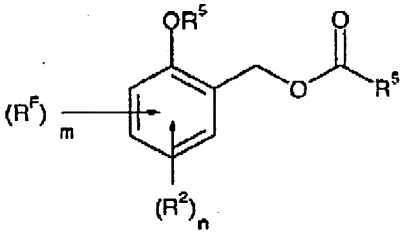
E is C_1-C_8-alkyl, C_1-C_8-alkoxy, NH(C_1-C_8-alkyl) or N(C_1-C_8-alkyl)$_2$ or is a cyclic amino radical having 4 to 12 carbon atoms and

n is an integer of 0 to 4-m and

R^F is fluorine, C_1-C_{12}-fluoroalkyl, -O(C_1-C_{12}-fluoroalkyl) or -S(C_1-C_{12}-fluoroalkyl) and

m is an integer of 1 to 3,

comprising reacting compounds of the formula (VI)



(VI)

where R^1, R^F, m and n are each as defined under formula (I) and

the R^5 radicals are each independently hydrogen, C_1-C_{12}-alkyl, C_2-C_{12}-alkenyl, C_5-C_{14}-aryl or C_6-C_{15}-arylalkyl with cyanide.

13. – 21. (Cancelled)

22. (Original) A process for preparing active ingredients for medicaments comprising providing compounds of Claim 15.

23. (Original) A process for treating cardiovascular disordersor diseases comprising administering medicaments containing active ingredients based on compounds of Claim 15 to subjects in need thereof.